

# DuPont™ Glycolic Acid in Water Treatment and Water Well Stimulation



## **The efficiency of industrial and potable water wells decreases with time. This can be the result of:**

- Gradual damage to the water producing formation.
- Mechanical deterioration to the down-hole well screen/ gravel pack filter system.
- Accumulation of deposits on the screen and gravel pack filter system.

The deposits result from hard water scale (calcium, magnesium and iron salts) accumulation or deposits of iron oxide. The deposits can also result from build up of clay.

It should be noted that reduced water production can result from many factors in addition to scale build up. Each water well should be viewed as a distinct case. The specific cause for the reduced production should be defined by water analysis, underground surveys, well history, etc. The typical useful life of a well is 35 years. Only after reviewing this information can the appropriate remedial action be selected. Consultation with a professional water well rehabilitation company is recommended.

**Glycolic Acid is used extensively to rehabilitate the flow efficiency of water wells. Glycolic Acid accomplishes this by removing hard water scale (calcium, magnesium, manganese salts), various iron deposits and polysaccharide deposits.**



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***Glycolic Acid has the following advantages which makes it very useful for this application:***

- National Sanitation Foundation (NSF) certification for use in cleaning potable water wells. (Internet reference: <http://www.nsf.org>)
- Formation of water-soluble compounds (chelates) with the hard water metal salts. The compounds are easily rinsed away.
- Low corrosion to the metal parts of the well.
- Easily handled organic wastes since Glycolic Acid biodegrades rapidly.
- Low toxicity, low odor, non-flammable, and negligible fumes.
- Easy handled liquid.
- Compatible with other acids to improve cost and effectiveness.
- Displacement of polysaccharide deposits.

**For further information visit our website at [www.glycolicacid.dupont.com](http://www.glycolicacid.dupont.com)  
or contact our Customer Service Representatives:**

**888-243-4608, North America Customers**

**302-892-7536, International Customers**

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K-16086-1Web (07/07) Printed in the U.S.A.



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